

AMENDMENTS TO THE CLAIMS

Please replace the currently pending claims with the claim set below.

1-37 (Cancelled)

38. (Previously Presented) A synthetic antimicrobial peptide comprising an amino acid sequence as set forth in SEQ ID NO:46.

39. (Currently Amended) The synthetic antimicrobial peptide of claim 38, wherein the amino acid sequence is Lys Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Arg Leu Leu Lys Arg Gly Leu Arg Lys Leu Leu Lys (SEQ ID NO: 55).

40. (Previously Presented) The synthetic antimicrobial peptide of claim 39, wherein the Lysine at position 1 is covalently bound to the Lysine at position 23 to form a cyclization derivative.

41. (Currently Amended) The synthetic antimicrobial peptide of claim 38, wherein the amino acid sequence is Lys Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Arg Leu Leu Arg Arg Leu Leu Arg Arg Leu Leu Arg (SEQ ID NO: 56).

42. (Previously Presented) A method for producing a synthetic antimicrobial peptide, comprising:

performing solid-phase chemical synthesis to produce the peptide of claim 38.

43. (Currently Amended) A method for treating a subject having an infectious disease induced by bacteria[[,]]and/or fungi-and/or viruses, comprising:

administering to the subject the synthetic antimicrobial peptide of claim 38 in an amount effective for treating the infectious disease.